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Application Number

10/748,829

Filing Date

December 29, 2003

First Inventor

Weidong Yang

Confirmation No.

Unknown

Group Art Unit

Unknown

Examiner Name

Unknown

Attorney Docket No.

NAN066 US

ENCLOSURES (check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Assignment Papers
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| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Power of Attorney, Revocation of Previous Powers; And Statement Under 37 CFR 3.73(b) | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
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| <input checked="" type="checkbox"/> Information Disclosure Statement (2 pages) | <input type="checkbox"/> Request for Refund | PTO Form 1449 (2 pages) |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | 13 Cited References |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application (2 pages) | Remarks | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm

or

Individual Name

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Signature

Date

3-15-04

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Michael J. Halbert

March 15, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Weidong Yang; Roger R. Lowe-Webb; Silvio J. Rabello
Assignee: Nanometrics Incorporated
Title: Local Process Variation Correction for Overlay Measurement
Serial No.: 10/748,829 Filing Date: December 29, 2003
Examiner: Unknown Group Art Unit: Unknown
Docket No.: NAN066 US Confirmation No: Unknown

Santa Clara, California
March 15, 2004

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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97(b)**

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, §1.97 and §1.98, the Applicants submit for consideration in the above-identified patent application the documents listed on the accompanying Form PTO-1449. Copies of documents numbered 1-19 are not attached hereto, because these documents are issued patents which are readily available in the U.S. Patent and Trademark Office. Copies of documents numbered 20-31 are submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted pursuant to 37 CFR §1.97(b) as it within three months of the filing date of a national application other than a continued prosecution application and/or before the mailing of a first Office Action on the merits. Accordingly, no fee is required. If a fee is required, the undersigned hereby authorizes the Commissioner to charge any required fee to Deposit Account Number 50-2263.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

In addition, Applicants submit for the Examiner's consideration the following list of co-pending and co-owned applications, cited by serial number, first named inventor and filing date.

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	Serial No.:	First Named Inventor	Date:
1.	10/116,863	Weidong Yang	Apr. 4, 2002
2.	10/116,964	Weidong Yang	Apr. 4, 2002
3.	10/116,798	Weidong Yang	Apr. 4, 2002
4.	10/116,855	John D. Heaton	Apr. 4, 2002
5.	10/261,547	Weidong Yang	Sep. 30, 2002
6.	10/422,232	Blaine R. Spady	Apr. 23, 2003
7.	09/960,892	Roger R. Lowe-Webb	Sep. 20, 2001

The Applicants presume that the Examiner has access to and will review the co-pending applications and the files thereof for any office actions, amendments or other materials that may be relevant to the patentability of the claims of the present application. For any such U.S. patent application(s) that are currently pending, the Applicants further presume that the Examiner will consider any future office actions, amendments or other materials in the file thereof that may be relevant to the patentability of the claims herein. **If the Applicants' understanding in this regard is not correct, please notify the undersigned so that copies of any such documents can be submitted to the Examiner with the necessary precautions so that the file may be expunged of any proprietary information that is considered unimportant to a reasonable examiner.**

All of the co-pending applications in the above list are unpublished. Applicants do not believe that it is proper for any of the listed applications to appear on the face of a patent that may issue from the present application, and accordingly, Applicants have not listed these applications on a PTO-Form 1449.

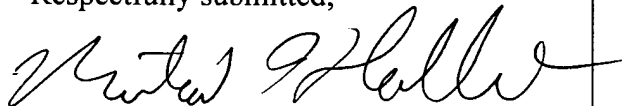
The information contained in this Information Disclosure Statement under 37 C.F.R. §1.555 is to the best of my knowledge and is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

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 3-15-04
Michael J. Halbert Date

Respectfully submitted,



Michael J. Halbert
Attorney for Applicants
Reg. No. 40,633

U.S. Department of Commerce, Patent and Trademark Office

Application No.: 10/748,829

Filing Date: December 29, 2003

First Named Inventor: Weidong Yang

Group Art Unit: Unknown

Examiner Name: Unknown

Confirmation No.: Unknown

Attorney Docket No.: NAN066 US

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)



U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	1.	5,214,492	25-May-93	LoBianco et al.	356	400	8/2/1991
	2.	5,216,257	Jun. 1, 1993	Brueck et al.	250	548	7/9/1990
	3.	5,307,152	Apr. 26, 1994	Boehnlein et al.	356	376	9/29/1992
	4.	5,559,601	Sep. 24, 1996	Gallatin et al.	356	363	1/24/1994
	5.	5,805,290	Sep. 8, 1998	Ausschnitt et al.	356	401	5/2/1996
	6.	5,969,819	Oct. 19, 1999	Wang	356	371	6/5/1997
	7.	6,077,756	Jun. 20, 2000	Lin et al.	438	401	4/24/1998
	8.	6,084,712	Jul. 4, 2000	Harding	359	618	11/3/1998
	9.	6,130,750	Oct. 10, 2000	Ausschnitt et al.	356	401	8/28/1997
	10.	6,407,396	Jun. 18, 2002	Mih et al.	250	491.1	6/24/1999
	11.	6,429,930	Aug. 6, 2002	Littaue et al.	356	124	9/6/2000
	12.	US 2002/0135875	Sep. 26, 2002	Niu et al.	359	564	2/27/2001
	13.	US 2002/0158193	Oct. 31, 2002	Sezginer et al.	250	237	2/12/2001
	14.	US 2003/0002043	Jan. 2, 2003	Abdulhalim et al.	356	400	4/10/2001
	15.	US 2003/0042579	Mar. 6, 2003	Schulz	257	629	8/30/2001
	16.	US 2003/0043372	Mar. 6, 2003	Schulz	356	327	8/30/2001
	17.	US 2003/0043375	Mar. 6, 2003	Opsal	356	369	8/28/2001
	18.	US 2003/0044702	Mar. 6, 2003	Schulz	430	30	8/30/2001
	19.	US 2003/0223630	Dec. 4, 2003	Adel et al.	382	145	02/13/2003

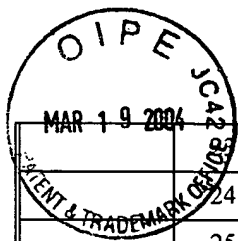
Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	20.	WO 01/84382 A1	Nov. 8, 2001	PCT	G06F	17/50	5/4/2000	
	21.	WO 02/065545 A2	Aug. 22, 2002	PCT	H01L	21/66	2/12/2001	
	22.	WO 02/069390 A2	Sep. 6, 2002	PCT	H01L	21/66	2/27/2001	

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	WO 02/084213 A1	Oct. 24, 2002	PCT	G01B	Nov-00	4/10/2001	
24.	WO 02/25723 A2	Mar. 28, 2002	PCT	H01L	21/66	9/19/2000	
25.	WO 04/008068 A1	Jan. 22, 2004	PCT	G01B	11/27	10/26/01	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	26.	Bischoff, J. et al., "Light Diffraction Based Overlay Measurement" <i>Proceedings of SPIE</i> , Vol. 4344 (2001) Pages 222-233
	27.	Michaelis, A. et al., "Spectroscopic Anisotropy Micro-Ellipsometry (SAME) for determination of lateral and vertical dimensions of sub-micron lithographic structures" IEEE Catalog Number 99TH8453 (1999) Pages 131-134
	28.	NanoWave:Technology/development tools, http://www.nanowave.com/technology_applications/tech_devtoolsPR.html , 2 pages, downloaded April 9, 2002.
	29.	NanoWave:Technology/how it works, http://www.nanowave.com/technology_applications/tech_HIWPR.html , 3 pages, downloaded April 9, 2002.
	30.	NanoWave:Technology/product design, http://www.nanowave.com/technology_applications/tech_designPR.html , 4 pages, downloaded April 9, 2002.
	31.	D.C. Flanders & Henry I. Smith, "A new interferometric alignment technique ^{a)} ", <i>Applied Physics Letters</i> , Vol. 31, No. 7, 1 October 1977, pp. 426-428

Examiner

Date Considered

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